



EXPRESS MAIL NO. EV889129626US

Sheet 1 of 9

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
890050.449APPLICATION NO.
10/717,831INFORMATION DISCLOSURE STATEMENT
(Use several sheets if necessary)

APPLICANTS

Hironori Kakiuchi et al.

FILING DATE

November 20, 2003

GROUP ART UNIT

1756

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
u	AA	3,959,799	05/25/76	Gambino et al.	346	135	
u	AB	4,357,616	11/02/82	Terao et al.	346	135.1	
u	AC	4,405,706	09/20/83	Takahashi et al.	430	271	
u	AD	4,477,819	10/16/84	Lee et al.	346	76 L	
u	AE	4,500,889	02/18/85	Wada et al.	346	1.1	
u	AF	4,529,991	07/16/85	Wada et al.	346	76 L	
u	AG	4,587,533	05/06/86	Nakane et al.	346	135.1	
u	AH	4,609,611	09/02/86	Sigyo et al.	430	270	
u	AI	4,647,947	03/05/87	Takeoka et al.	346	135.1	
u	AJ	4,670,345	06/02/87	Morimoto et al.	428	411.1	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
u	AK	1330368 A	01/09/02	China (with English abstract)		
u	AL	1365108 A	08/21/02	China (with English abstract)		
u	AM	0350078 A1	01/10/90	EP		
u	AN	0474311 A1	03/11/92	EP		
u	AO	0822543 A1	02/04/98	EP		
u	AP	0947351 B1	09/25/02	EP		
u	AQ	0978831 A2	02/09/00	EP		
u	AR	1028421 A2	08/18/00	EP		
u	AS	1139340 B1	06/16/04	EP		

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

u	AT	Inoue, H., et al., "Inorganic Write-Once Disc for High Speed Recording," Jpn. J. Appl. Phys. Vol. 42, part 1, no. 2B, pp. 1059-1061, February 2003.
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<i>W</i>	BA	4,682,321	07/21/87	Takaoka et al.	369	284	
<i>W</i>	BB	4,771,413	09/13/88	Nago	369	109	
<i>W</i>	BC	4,772,897	09/20/88	Ohkawa	346	135.1	
<i>W</i>	BD	5,194,363	03/16/93	Yoshioka et al.	430	271	
<i>W</i>	BE	5,208,088	05/04/93	Tominaga et al.	428	64	
<i>W</i>	BF	5,297,132	03/22/94	Takano et al.	369	284	
<i>W</i>	BG	5,325,351	06/28/94	Uchiyama et al.	369	275.1	
<i>W</i>	BH	5,328,813	07/12/94	Strandjord et al.	430	321	
<i>W</i>	BI	5,401,330	03/28/95	Saito et al.	136	259	
<i>W</i>	BJ	5,414,451	05/09/95	Sugiyama et al.	347	258	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
<i>W</i>	BK	1154413 A2	11/14/01	EP		
<i>W</i>	BL	1215669 A2	06/19/02	EP		
<i>W</i>	BM	1351230 A2	10/08/03	EP		
<i>W</i>	BN	2336463	10/20/99	GB		
<i>W</i>	BO	48-28 0000 33	01/08/73	JP		
<i>W</i>	BP	03-005929	01/11/91	JP (with English abstract)		
<i>W</i>	BQ	03-258590	11/18/91	JP (with English abstract)		
<i>W</i>	BR	05-159358	06/28/93	JP (with English abstract)		

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>W</i>	BS	Narumi, K. et al., "45 GB Rewritable Dual-Layer Phase-Change Optical Disk with a Transmittance Balanced Structure," Technical Digest, International Symposium on Optical Memory 2001, Grand Hotel, Taipei, Taiwan, October 16-19, 2001, pages 202-203.
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<i>ur</i>	CA	5,458,941	10/11/95	Hintz	428	64.4	
<i>ur</i>	CB	5,459,018	10/17/95	Akahira	430	270	
<i>ur</i>	CC	5,560,998	10/01/96	Oyamatsu et al.	428	694 ML	
<i>ur</i>	CD	5,656,370	08/12/97	Murakami et al.	428	332	
<i>ur</i>	CE	5,818,808	10/06/98	Takada et al.	369	116	
<i>ur</i>	CF	5,871,881	02/16/99	Nishida et al.	430	270.11	
<i>ur</i>	CG	5,912,104	06/15/99	Hirotsune et al.	430	270.13	
<i>ur</i>	CH	5,948,496	09/07/99	Kinoshita et al.	428	64.1	
<i>ur</i>	CI	5,949,747	09/07/99	Miyashita et al.	369	54	
<i>ur</i>	CJ	5,958,649	09/28/99	Hirotsune et al.	430	270.13	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
<i>ur</i>	CK	05-342631	12/24/93	JP (with English abstract)		
<i>ur</i>	CL	05-342635	12/24/93	JP (with English abstract)		
<i>ur</i>	CM	10-076755	03/24/98	JP (with English abstract)		
<i>ur</i>	CN	1-270528	10/27/89	JP (with English abstract)		
<i>ur</i>	CO	2000-187884	07/04/00	JP (with English abstract)		
<i>ur</i>	CP	2000-222764	08/11/00	JP (with English abstract)		
<i>ur</i>	CQ	2000-285509	10/13/00	JP (with English abstract)		
<i>ur</i>	CR	2000-297365	10/24/00	JP (with English abstract)		

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>ur</i>	CS	Nikkei Electronics, May 12, 2003, pp. 119-133. (in Japanese)
EXAMINER		DATE CONSIDERED 8/2/04

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U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>u</i>	DA	6,033,752	03/07/00	Suzuki et al.	428	64.1	
<i>u</i>	DB	6,096,399	08/01/00	Yoshinari et al.	428	64.1	
<i>u</i>	DC	6,111,851	08/29/00	Ohki et al.	369	286	
<i>u</i>	DD	6,143,469	11/07/00	Ohta et al.	430	270.13	
<i>u</i>	DE	6,210,860	04/03/01	Fukano et al.	430	270.12	
<i>u</i>	DF	6,231,945	05/18/01	Miyamoto et al.	428	64.1	
<i>u</i>	DG	6,245,404	06/12/01	Saito et al.	428	64.1	
<i>u</i>	DH	6,254,966	07/03/01	Kondo	428	156	
<i>u</i>	DI	6,266,299	07/24/01	Oshima et al.	369	13	
<i>u</i>	DJ	6,278,680	08/21/01	Miyauchi et al.	369	112.01	
<i>u</i>	DK	6,333,913	12/25/01	Yoshinari et al.	369	283	
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION		
					YES	NO	
<i>u</i>	DL	2001-101709	04/13/01	JP (with English abstract)			
<i>u</i>	DM	2001-222819	08/11/01	JP (with English abstract)			
<i>u</i>	DN	2001-266402	09/28/01	JP (with English abstract)			
<i>u</i>	DO	2001-322357	11/20/01	JP (with English abstract)			
<i>u</i>	DP	2002-120458	04/23/02	JP (with English abstract)			
<i>u</i>	DQ	2002-269808	09/20/02	JP (with English abstract)			
<i>u</i>	DR	2002-329348	11/15/02	JP (with English abstract)			
<i>u</i>	DS	2003-105738	04/09/03	JP (with English abstract)			
<i>u</i>	DT	2003-178448	06/27/03	JP (with English abstract)			
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<i>W</i>	EA	6,355,326	03/12/02	Lee et al.	428	64.1	
<i>W</i>	EB	6,404,712	06/11/02	Lee et al.	369	47.53	
<i>W</i>	EC	6,404,713	06/11/02	Ueki	369	47.53	
<i>W</i>	ED	6,416,837	07/09/02	Kojima et al.	428	64.1	
<i>W</i>	EE	6,528,138	03/04/03	Meinders et al.	428	64.1	
<i>W</i>	EF	6,551,679	04/22/03	Kuroda et al.	428	64.1	
<i>W</i>	EG	6,608,799	08/18/03	Hozumi	369	13.26	
<i>W</i>	EH	6,611,481	08/26/03	Koishi et al.	369	47.53	
<i>W</i>	EI	6,636,477	10/21/03	Miyamoto et al.	369	286	
<i>W</i>	EJ	6,656,559	12/02/03	Mizushima et al.	428	64.1	
<i>W</i>	EK	6,660,451	12/09/03	Sakaue et al.	430	270.13	
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		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION		
					YES	NO	
<i>W</i>	EL	2003-260874	09/16/03	JP (with English abstract)			
<i>W</i>	EM	2003-326848	11/18/03	JP (with English abstract)			
<i>W</i>	EN	2003-054135	02/28/03	JP (with English abstract)			
<i>W</i>	EO	2004-158134	06/03/04	JP (with English abstract)			
<i>W</i>	EP	2004-039177	02/08/04	JP (with English abstract)			
<i>W</i>	EQ	2004-087073	03/18/04	JP (with English abstract)			
<i>W</i>	ER	3-49054	03/01/91	JP (with English abstract)			
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<i>u</i>	FA	6,670,014	12/30/03	Nishihara et al.	428	64.1	
<i>u</i>	FB	6,751,184	06/18/04	Kojima et al.	369	275.2	
<i>u</i>	FC	6,788,635	09/01/04	Aratani et al.	369	100	
<i>u</i>	FD	6,791,926	09/14/04	Furumiya et al.	369	53.13	
<i>u</i>	FE	6,805,935	10/18/04	Ashida et al.	428	64.1	
<i>u</i>	FF	6,807,142	10/19/04	Nagata et al.	369	275.2	
<i>u</i>	FG	6,841,218	01/11/05	Hosoda et al.	428	64.1	
<i>u</i>	FH	6,929,840	08/18/05	Hosoda et al.	428	64.1	
<i>u</i>	FI	6,982,111	01/03/06	Mizushima et al.	428	64.1	
<i>u</i>	FJ	6,996,055	02/01/06	Mishima et al.	369	283	
<i>u</i>	FK	7,002,887	02/21/06	Kakiuchi et al.	369	59.12	
FOREIGN PATENT DOCUMENTS							
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					YES	NO	
<i>u</i>	FL	4-298389	10/22/92	JP (with English abstract)			
<i>u</i>	FM	54-133134	10/16/79	JP (with English abstract)			
<i>u</i>	FN	56-124134	09/29/81	JP (with English abstract)			
<i>u</i>	FO	57-027788	02/18/82	JP (with English abstract)			
<i>u</i>	FP	59-225992	12/19/84	JP (with English abstract)			
<i>u</i>	FQ	60-160036	08/21/85	JP (with English abstract)			
<i>u</i>	FR	60-219097	11/01/85	JP (with English abstract)			
<i>u</i>	FS	6-171236	06/21/94	JP (with English abstract)			
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<i>u</i>	GA	7,018,694	03/28/06	Hosoda et al.	428	64.1	
<i>u</i>	GB	7,142,496	11/28/06	Miyagawa et al.	369	59.11	
<i>u</i>	GC	7,167,431	01/23/07	Miura et al.	369	59.11	
<i>u</i>	GD	2001/0012257	08/09/01	Suzuki et al.	369	94	
<i>u</i>	GE	2001/0017833	08/30/01	Yamada et al.	369	59.11	
<i>u</i>	GF	2001/0041304	11/15/01	Uno et al.	430	270.13	
<i>u</i>	GG	2001/0044073	11/22/01	Fukano et al.	430	270.12	
<i>u</i>	GH	2002/0060979	05/23/02	Tsukuda et al.	369	275.4	
<i>u</i>	GI	2002/0076646	06/20/02	Zhou et al.	430	270.13	
<i>u</i>	GJ	2002/0110063	08/15/02	Yamada et al.	369	47.39	
<i>u</i>	GK	2002/0160306	10/31/02	Hanaoka et al.	430	270.13	
<i>u</i>	GL	2003/0086359	05/08/03	Lee et al.	369	275.3	
<i>u</i>	GM	2003/0134229	07/17/03	Yasuda et al.	430	270.13	
<i>u</i>	GN	2003/0165111	09/04/03	Flynn	369	288	
<i>u</i>	GO	2003/0224215	12/04/03	Kondo et al.	428	694 ML	
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES NO		
<i>u</i>	GP	62-204442	09/08/87	JP (with English abstract)			
<i>u</i>	GQ	62-226440	10/05/87	JP (with English abstract)			
<i>u</i>	GR	62-226442	10/06/87	JP (with English abstract)			
<i>u</i>	GS	62-245545	10/26/87	JP (with English abstract)			
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<i>u</i>	HA	2003/0228539	12/11/03	Hosoda et al.	430	270.13	
<i>u</i>	HB	2004/0001418	01/01/04	Shinotsuka et al.	369	111	
<i>u</i>	HC	2004/0013069	01/22/04	Uno et al.	369	59.11	
<i>u</i>	HD	2004/0018334	01/29/04	Nee	428	64.1	
<i>u</i>	HE	2004/0027652	02/12/04	Erdogan et al.	359	359	
<i>u</i>	HF	2004/0052176	03/18/04	Narumi et al.	369	47.39	
<i>u</i>	HG	2004/0241581	12/02/04	Kakiuchi et al.	430	270.12	
<i>u</i>	HH	2005/0018590	01/21/05	Inoue et al.	369	275.2	
<i>u</i>	HI	2005/0018591	01/27/05	Inoue et al.	369	275.2	
<i>u</i>	HJ	2005/0018592	01/27/05	Inoue et al.	369	275.2	

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					YES	NO
<i>u</i>	HK	6-262854	09/20/94	JP (with English abstract)		
<i>u</i>	HL	7-235465	09/05/95	JP (with English abstract)		
<i>u</i>	HM	9-007176	01/10/97	JP (with English abstract)		
<i>u</i>	HN	01/93256 A1	12/08/01	WO (with English abstract)		
<i>u</i>	HO	02/29787	04/11/02	WO (with English abstract)		
<i>u</i>	HP	03/025924	03/27/03	WO (with English abstract)		
<i>u</i>	HQ	1122723 A1	08/08/01	EP		
<i>u</i>	HR	10-143919	05/29/98	JP (with English abstract)		
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u	IA	2005/0047301	03/03/05	Inoue et al.	369	94	
u	IB	2005/0047302	03/03/05	Inoue et al.	369	94	
u	IC	2005/0047303	03/03/05	Inoue et al.	369	94	
u	ID	2005/0047304	03/03/05	Inoue et al.	369	94	
u	IE	2005/0047305	03/03/05	Inoue et al.	369	94	
u	IF	2005/0047306	03/03/05	Inoue et al.	369	94	
u	IG	2005/0048249	03/03/05	Inoue et al.	428	64.4	
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					YES	NO
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